

## (12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织  
国际局

(43) 国际公布日:

2005年8月4日(04.08.2005)

PCT

(10) 国际公布号:

WO 2005/071319 A1

(51) 国际分类号<sup>7</sup>: F23Q 2/16, 2/34

(21) 国际申请号: PCT/CN2004/001012

(22) 国际申请日: 2004年9月22日(22.09.2004)

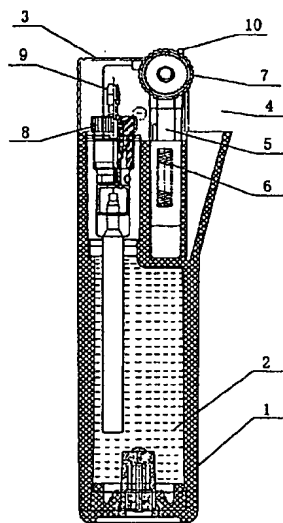
(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:  
200420019356.1 2004年1月7日(07.01.2004) CN(71)(72) 发明人/申请人: 黄新华(HUANG, Xinhua) [CN/  
CN]; 中国浙江省慈溪市经济开发区开发大道大发路  
142号, Zhejiang 315300 (CN)。(74) 代理人: 北京纪凯知识产权代理有限公司(JEEKAI &  
PARTNERS); 中国北京市西城区宣武门西大街甲129  
号金隅大厦602室, Beijing 100031 (CN)。(81) 指定国(除另有指明, 要求每一种可提供的国家保护):  
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW,  
BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM,DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL,  
PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW(84) 指定国(除另有指明, 要求每一种可提供的地区保护):  
ARIPO(BW, GH, GM, KE, LS, MW, MZ, NA, SD,  
SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,  
IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR),  
OAPI(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG)本国际公布:  
— 包括国际检索报告。所引用双字母代码和其它缩写符号, 请参考刊登在每期  
PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: LIGHTER WITH SAFETY ROD

(54) 发明名称: 带保险的砂轮打火机



(57) Abstract: A lighter provided with a safety rod, comprises a casing, an oil tank disposed in the casing, a gas-ejecting assembly, an ignition assembly and a windshield hood above the oil tank, the ignition assembly is set on one side of the windshield hood. Said ignition assembly comprises a push lever, a flint and a spark wheel. In one flank of said spark wheel, there is a safety rod with two arms integrally formed with an angle rotating with the spark wheel. Two ends of the safety rod protrude from the flange of the spark wheel. In the safety condition, one end of the safety rod butts on the inside wall of the top of the windshield hood, the other end is located over the spark wheel. According to the lighter of the present invention, the rotation of the spark wheel can be controlled by one safety rod, thus, the fire or accident due to the unintended use by children can be prevented.

[见续页]